



## **PERMIT CENTER**

# **PLAN SUBMITTAL PACKET**

### **Informational Brochure**

#### **January 2006**

Project Documentation Checklist  
Legal Owner Information Sheet  
Public Facility Extension Application  
Fire Flow Information  
Plan Review Checklist

Prepared by  
Development Section  
Engineering Division  
Public Works Department

25 West Main St.  
Auburn, WA 98001-4998  
(253) 931-3010  
FAX (253) 931-3053



## PROJECT DOCUMENTATION CHECKLIST

Project: \_\_\_\_\_

Address: \_\_\_\_\_

This document checklist is provided to outline various documents and plans that may be required in the civil plan approval process. The City of Auburn Developer's Public Extension Manual, and Section 1.07 and 1.08 of the Design and Construction Standards, outline requirements. Please submit applicable documents or plans required for grading permits, building permits or Public Facility Extensions. The City will confirm required documents and plans with the first plan review. Additional requirements, or documents needing signature by the owner, will be addressed with the first review plan comments.

**Submit this form with plans. Use ☐ to check items submitted (Ck).**

**Shading ☐ denotes submittal time frame:**

Column "A" = Initial submittal to the City.

Column "B" = Prior to approval of plans.

Column "C" = Prior to start of construction.

Column "D" = Prior to Certificate of Occupancy/project acceptance.

A	B	C	D	Ck	PLANS/DOCUMENTS
					<b><u>Permit Application</u></b>
				<input type="checkbox"/>	Building or Grading permit application
				<input type="checkbox"/>	Public Facility Extension (FAC) application
				<input type="checkbox"/>	Legal Owner Information Sheet
				<input type="checkbox"/>	Street Delay application (if applicable)
				<input type="checkbox"/>	Plan Review Checklist
					<b><u>Plans</u></b>
				<input type="checkbox"/>	Grading and Erosion Control plans (4)
				<input type="checkbox"/>	Building Site plans (8)
				<input type="checkbox"/>	Public Facility Extension plans (8)
				<input type="checkbox"/>	Sewer and water
				<input type="checkbox"/>	Storm drainage
				<input type="checkbox"/>	Streets
				<input type="checkbox"/>	Illumination and signing
				<input type="checkbox"/>	Landscape plans (3)
				<input type="checkbox"/>	Site Design Plan per SEPA, if required (3)
				<input type="checkbox"/>	Wetland plans (2)
					<b><u>Legal Documentation</u></b>
				<input type="checkbox"/>	Legal Owner information sheet
				<input type="checkbox"/>	Legal Description of property
				<input type="checkbox"/>	Title report/short plat certificate
				<input type="checkbox"/>	Pre-annexation agreement (if applicable)
				<input type="checkbox"/>	Sewer/water availability certificate (if applicable)
				<input type="checkbox"/>	Other _____
					<b><u>Reports</u></b>
				<input type="checkbox"/>	Geotechnical report
				<input type="checkbox"/>	Storm water quality and quantity report (2)
				<input type="checkbox"/>	Storm water pollution prevention plan/report
				<input type="checkbox"/>	Fire flow information
				<input type="checkbox"/>	Roadway Analysis Report (if applicable)
				<input type="checkbox"/>	Other _____



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(Refer to City of Auburn's Design & Construction Standards for more information.)

A	B	C	D	Ck	<u>PLANS/DOCUMENTS</u>
					<b><u>Conditions</u></b>
				<input type="checkbox"/>	SEPA Determination
				<input type="checkbox"/>	SEPA letter – response to conditions
				<input type="checkbox"/>	Hearing Examiners Conditions (plats, CUP, etc.)
				<input type="checkbox"/>	Shoreline Substantial Development Permit
				<input type="checkbox"/>	Other _____
					<b><u>Easements/Dedications</u></b>
				<input type="checkbox"/>	Off-site easement
				<input type="checkbox"/>	On-site sewer easement
				<input type="checkbox"/>	On-site storm easement
				<input type="checkbox"/>	On-site water easement
				<input type="checkbox"/>	Right-of-way dedication
				<input type="checkbox"/>	Private cross drainage easement
				<input type="checkbox"/>	Private joint access easements
				<input type="checkbox"/>	Other _____
					<b><u>Agreements</u></b>
				<input type="checkbox"/>	Storm Water Access & Maintenance Agreement
				<input type="checkbox"/>	Street Delay Agreement
				<input type="checkbox"/>	Traffic Mitigation Agreement
				<input type="checkbox"/>	Other _____
					<b><u>Plan Approval</u></b>
				<input type="checkbox"/>	Mylars 4-mil thickness
				<input type="checkbox"/>	Electronic File (AutoCAD)
				<input type="checkbox"/>	Plan copies from approved mylars
					<b><u>Construction (prior to start of construction)</u></b>
				<input type="checkbox"/>	Approved plans and permits
				<input type="checkbox"/>	Pre-construction meeting
				<input type="checkbox"/>	City of Auburn Business License
				<input type="checkbox"/>	Contractor's L&I License
				<input type="checkbox"/>	Performance Bond
				<input type="checkbox"/>	Certificate of Insurance
				<input type="checkbox"/>	Material submittals
				<input type="checkbox"/>	Emergency call-out list
				<input type="checkbox"/>	Other _____



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A	B	C	D	Ck	<u>PLANS/DOCUMENTS</u>
					<b><u>Project Closeout</u></b>
				<input type="checkbox"/>	Bill of Sale
				<input type="checkbox"/>	Record construction drawings
				<input type="checkbox"/>	Developer contribution documentation
				<input type="checkbox"/>	Easement revisions (if applicable)
				<input type="checkbox"/>	Final storm water report (2)
				<input type="checkbox"/>	Final Electronic drawing file (AutoCAD)
				<input type="checkbox"/>	Maintenance Bond
				<input type="checkbox"/>	Utility Payback Agreement
				<input type="checkbox"/>	Other _____
					<b><u>Other Approvals or Permits (if applicable)</u></b>
				<input type="checkbox"/>	Right-of-way permit – Auburn
				<input type="checkbox"/>	Right-of-way permit – King County
				<input type="checkbox"/>	King County Metro permit
				<input type="checkbox"/>	WSDOT approval
				<input type="checkbox"/>	Developer Participation Agreement
				<input type="checkbox"/>	Other _____





CITY OF AUBURN

LEGAL OWNER INFORMATION SHEET

Project Name: \_\_\_\_\_

**PLEASE PRINT:** Please indicate the *Legal Owner's Name* and the type of signature block that the owner uses for signing legal agreements, deeds, and easements that will be recorded. (*NOTE: Errors will cause a delay in permit approvals.*) All billings and financial information will be sent to this address unless otherwise noted.

Owner's Name: \_\_\_\_\_ Individual \_\_\_\_\_ Corporation \_\_\_\_\_

Contact Person: \_\_\_\_\_ Partnership \_\_\_\_\_ L.L.C. \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone Number: (     ) \_\_\_\_\_; FAX Number: (     ) \_\_\_\_\_

Email Address: \_\_\_\_\_

Parcel Number(s) \_\_\_\_\_ - \_\_\_\_\_  
(Tax Code Number)            (Six Digits)            (Four Digits)

Legal Description/STR \_\_\_\_\_ 1/4, SEC \_\_\_\_\_, TWN \_\_\_\_\_, RNG \_\_\_\_\_

Legal Description            Attach an 8 1/2 X 11-inch bond paper sheet

\*\*\*\*\*

**Please indicate where legal documents are to be sent for proper signature and execution.**

Company Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: (     ) \_\_\_\_\_; FAX Number: (     ) \_\_\_\_\_

\*\*\*\*\*

**Please indicate where civil plans are to be returned for plan review correction.**

Company Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: (     ) \_\_\_\_\_; FAX Number: (     ) \_\_\_\_\_

\_\_\_\_\_  
**Applicant/Agent Signature**

\_\_\_\_\_  
**Date**



**CITY OF AUBURN**

**FACILITY EXTENSION APPLICATION**

**Project Name:** \_\_\_\_\_

**Project Address:** \_\_\_\_\_

<b>Project Details</b>	<b>Application Fee</b>	<b>Facility Length (LF)</b>	<b>City Verification Length (LF)</b>
Project	<b>\$516.00</b>		
Public Water			
Private Water	<b>XXX</b>		
Public Sanitary Sewer			
Private Sanitary Sewer	<b>XXX</b>		
Public Storm Drainage			
Private Street Storm Drainage			
Private On-site Storm Drainage	<b>XXX</b>		
Public Street			
Private Street			
<b>Total</b>	\$		

**(Application fee required is \$516 for the project and \$155 per facility and is non-refundable)**

Private facility lengths shall not include fire sprinkler connections, irrigation systems, domestic service lines and/or traditional side sewer connections. Private Facilities except for private streets within PUD's and gated communities and the private storm systems contained within, will not be charged an application fee or an extension fee and are include for information only.

**Contact Person:** \_\_\_\_\_  
(Please print)

**Address:** \_\_\_\_\_  
\_\_\_\_\_

**Phone Number:** (    ) \_\_\_\_\_ **FAX Number:** (    ) \_\_\_\_\_

**Please complete the Legal Owner Information sheet and attach to this application.**

\_\_\_\_\_  
Applicant/Agent Signature                      Date

\*\*\*\*\*  
**The above information will be utilized to prepare the Developer Public Facility Extension Agreement (FAC). The executed agreement and forty percent (40%) of the Facility Extension Fee will be required before detailed plan review begins.**

Receipt # \_\_\_\_\_

FAC # \_\_\_\_\_



## FIRE FLOW INFORMATION

The applicant is required to provide information to the City of Auburn for the Fire Department to define the specific fire requirements of the proposed building and for the Public Works Department to evaluate the development's compliance with the City of Auburn Comprehensive Water Plan.

A. The building specific fire flow is defined by the International Fire Code is the flow rate of water supply, measured at 20 psi residual pressure, that is available for firefighting. The information requested below will be used to define the building specific fire flow, according to the International Fire Code table B105.1 (current adopted edition).

Minimum requirements: (as per Auburn City Code 15.36A.061)

	Building Specific
1) Single-Family Residential	1,000 GPM / 2 Hours
2) Commercial/Multi-Family	1,500 GPM / 2 Hours

B. The 2001 Comprehensive Water Plan identifies off-site water system improvements and system requirements that are required to meet customer supply demands and provide adequate fire protection throughout the water system. The improvements may need to be installed in the proposed development area in accordance with the following fire flow criteria:

Minimum requirements for fire flows are:	System Requirements
1) Single-Family Residential	1,500 GPM @ 20psi/2 Hours
2) Commercial/Multi-Family	2,500 GPM @ 20 psi/3 Hours

The submitted Project Information will also be used to evaluate and recommend fire hydrants and on-site water main requirements, in accordance with the Auburn City Code.

For additional questions, please feel free to call:

Fire Department: 253-931-3060

Public Works Department: 253-931-3010

## PROJECT INFORMATION

NAME OF PROJECT: \_\_\_\_\_

SITE ADDRESS: \_\_\_\_\_

APPLICANT AGENT: \_\_\_\_\_ PHONE: \_\_\_\_\_

APPLICANT ADDRESS: \_\_\_\_\_

APPLICANT E-MAIL ADDRESS: \_\_\_\_\_

BUILDING CONSTRUCTION TYPE: \_\_\_\_\_

As defined by the International Building Code (Type VB, etc.)

BUILDING SQUARE FOOTAGE: \_\_\_\_\_

TYPE OF DEVELOPMENT: \_\_\_\_\_

Single-Family, Apts/Multi-Family, Office, Warehouse, # of Units

PLEASE ATTACH SITE MAP IDENTIFYING WATER SERVICE:

Include size of existing main(s), location(s), capacity and proposed on-site water main.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\*\*\*\*\* CITY COMMENTS \*\*\*\*\*

CITY PROJECT NUMBER(S): \_\_\_\_\_

SPECIAL CONDITIONS: \_\_\_\_\_



Project \_\_\_\_\_

Date \_\_\_\_\_

Checklist Prepared by \_\_\_\_\_

### **PLAN REVIEW CHECKLIST**

*This checklist correlates to Chapter 3 of the Auburn Design Standards (DS), entitled Plan Preparation Requirements. Additional elements of this checklist relate to Chapters 4 through 11 of the DS. The reader should read section 9.01, General Requirements before proceeding with this checklist.*

**Procedure:** *The Applicant's Engineer submits this checklist as part of the plan submittal package. The Engineer marks either the E box, if the described item is included, or the N box (Not Applicable), if in the Engineer's opinion the item is not applicable to the project. Items marked "N" by the Engineer shall be accompanied by an explanation on this checklist of why the required feature was not considered applicable.*

*The City Development Review Engineer will go over this list while reviewing the plans and check the "C" box if the item has been addressed satisfactorily on the plans. If not, the City Development Review Engineer will circle the item and include it in his/her list of plan review comments to be returned to the Applicant when plan review is completed.*

### **APPLICATION**

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*Public Facility Extension Application (FAC) completed.  
(City Form FC036).*

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*Legal Owner Information Sheet completed. (City Form FC083)*

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*Project Documentation Checklist Attached.*

### **GENERAL PLAN REQUIREMENTS**

#### **Standard Plan Format**

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*Each sheet of the plan set shall be stamped by a professional civil engineer licensed in the State of Washington. The stamp on the final mylar, to be submitted for approval, shall be signed and dated.*

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*North arrow either to top, right, or left.*

**E**☐**N**☐**C**☐

*A title block shall be provided on each plan sheet. The title block shall include the development title (in bold print), the name, address and phone number of the firm preparing the plan and the owner/developer, a revision block, page (of pages) numbering, and sheet title (e.g., grading, erosion/sedimentation control, road and drainage, water and sewer).*

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*FAC # shall be 1" bold lettering above the title block on the cover sheet only.*

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*Indicate units of measurement for all slope callouts as either % or ft./ft. Do not mix units of measurement on a plan set.*

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*All match lines with matched sheet numbers (stationing).*

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*The street classification shall be provided under the street name on all plan views.*

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*City of Auburn Engineering approval block (4"x2") provided with the following information in lower right corner of each civil plan sheet. Show project reference, BLD, FAC, and/or GRA number in the approval block area.*

PROJECT REF: \_\_\_\_\_

THESE PLANS ARE APPROVED FOR  
CONFORMANCE WITH THE CITY OF AUBURN'S  
ENGINEERING DIVISION REQUIREMENTS.

APPROVED BY: \_\_\_\_\_

DATE APPROVED: \_\_\_\_\_

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*City of Auburn Planning approval block (4"x2") provided with the following information in lower right corner of each landscape plan sheet. Show project reference, BLD, FAC, and/or GRA number in the approval block area.*

PROJECT REF: \_\_\_\_\_

THIS PLAN SHEET REFLECTS THE CITY OF  
AUBURN'S MINIMUM LANDSCAPING  
REQUIREMENTS.

APPROVED BY: \_\_\_\_\_

DATE APPROVED: \_\_\_\_\_



**E** ☐ **N** ☐ **C** ☐

*Sign-off block (4"x2") provided for Record Drawing certification and printed as follows on each plan sheet, generally in the lower right hand corner.*

**RECORD DRAWING CERTIFICATION**

**THESE DRAWINGS CONFORM TO THE  
CONTRACTOR'S CONSTRUCTION RECORDS.**

**BY \_\_\_\_\_ DATE \_\_\_\_\_**

**TITLE/POSITION: \_\_\_\_\_**

**CONFIRMED BY CITY: \_\_\_\_\_ DATE \_\_\_\_\_**

**Drafting Standards**

**E** ☐ **N** ☐ **C** ☐

*Plan sheets shall be on sheet sizes 24" x 36." Any variation must be approved by the City prior to plan submittal. Approved plans shall be good quality, 4 mil thickness, mylar or approved equal. No stick-on type material will be allowed. Margins shall be set to provide for 1/2 size drawings.*

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*Lettering size shall be no smaller than 1/10 of an inch in height and shall be uppercase.*

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*Existing features shall be shown with dashed lines, and/or half-toned (screened).*

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*Proposed features shall be shown with solid lines. The intent is to clearly distinguish existing features from proposed improvements.*

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*Minimum scale shall be as indicated below. Any variation must be approved by the City prior to plan submittal.*

*Site work: 1" = 40' horizontal*

*Site work: 1" = 4' vertical*

*Public facility work: 1" = 20' horizontal*

*Public facility work: 1" = 2' vertical*

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*Use APWA symbols and include legend of existing and proposed improvements and utilities.*

## Title Sheet

*The Title sheet(s) shall have the following applicable items:*

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Vicinity map with north arrow.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Site Address.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Owner/Developer, address, contact and phone number.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Engineer/Surveyor/Architect address, contact &amp; phone number.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Elevations with City datum. City benchmark reference numbers and locations are indicated.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Sheet Index.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Legend.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Legal description including quarter section, section, township, and range.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Parcel numbers (King &amp; Pierce Co. Tax Assessor No.) for Site Only.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Applicable plat name and lot numbers.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>An overall site plan key map shall be shown if the plan-set includes more than five plans sheets, unless otherwise directed by the City.</i> |

### General Notes

*The following (8) General Notes are required on the title sheet. Other City standard construction requirements are referenced by general note 2. Copies of these notes are available upon request.*

- |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>1. THIS DEVELOPMENT PROJECT SHALL CONFORM TO THE CITY OF AUBURN'S REQUIREMENTS AND BE IN ACCORDANCE WITH THE APPROVED PLANS. ANY CHANGES FROM THE APPROVED PLAN WILL REQUIRE APPROVAL FROM THE OWNER, ENGINEER AND THE CITY.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>2. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE "WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" (2002/LATEST EDITION), EXCEPT WHERE SUPPLEMENTED OR MODIFIED BY THE CITY'S CONSTRUCTION STANDARDS MANUAL. COPIES OF THE ABOVE DOCUMENTS SHALL BE AVAILABLE AT THE JOB SITE DURING CONSTRUCTION.</i> |

**E**  
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**N**  
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3. A PRE-CONSTRUCTION MEETING SHALL BE REQUIRED PRIOR TO THE START OF ALL CONSTRUCTION. CONTACT THE PUBLIC WORKS DEPARTMENT AT 253-931-3010 TO SCHEDULE A MEETING.

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4. LOCATIONS SHOWN FOR EXISTING UTILITIES ARE APPROXIMATE. THE CONTRACTOR IS CAUTIONED THAT OVERHEAD UTILITY LINES MAY NOT BE SHOWN ON THE DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF ALL UNDERGROUND UTILITIES AND THE EXTENT OF ANY HAZARD CREATED BY OVERHEAD UTILITY LINES. IDENTIFICATION, LOCATION MARKING AND RESPONSIBILITY FOR, UNDERGROUND FACILITIES OR UTILITIES, IS GOVERNED BY THE PROVISIONS OF CHAPTER 19.122 REVISED CODE OF WASHINGTON (RCW). PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CALL ONE-CALL (1-800-424-5555) FOR UTILITY LOCATIONS (WATER, SANITARY SEWER, STORM SEWER, GAS, POWER, TELEPHONE AND TELEVISION).

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5. PRIOR TO THE START OF CONSTRUCTION A PROPOSED ROUTE AND SCHEDULE FOR HAULING MATERIAL TO THE SITE SHALL BE SUBMITTED TO THE CITY FOR APPROVAL. IF THE CITY BELIEVES THAT THE PROPOSED HAUL ROUTE WILL ADVERSELY IMPACT THE STREET NETWORK, HAULING MAY BE LIMITED TO APPROPRIATE OFF-PEAK HOURS OR ALTERNATE ROUTES.

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6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PUBLIC SAFETY ON AND AROUND THIS PROJECT. PRIOR TO THE START OF WORK, ALL METHODS AND EQUIPMENT USED FOR TRAFFIC CONTROL AND STREET MAINTENANCE SHALL BE SUBMITTED TO THE CITY FOR APPROVAL. CONTRACTORS AND THEIR SURETY SHALL BE LIABLE FOR INJURIES AND DAMAGES TO PERSONS AND PROPERTY SUFFERED BECAUSE OF CONTRACTORS OPERATIONS OR NEGLIGENCE CONNECTED WITH THEM.

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7. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON LICENSED LAND SURVEYOR OR A WASHINGTON LICENSED PROFESSIONAL CIVIL ENGINEER.

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8. CERTIFIED DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE. REFER TO THE CITY'S "RECORD CONSTRUCTION DOCUMENT" HANDOUT.

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Construction Sequence

*Required for all Projects. A construction sequence shall be shown on the plans indicating the relative timing of key construction activities on the project such as site clearing, erosion control placement, grading, temporary detention and WQ phasing into permanent detention and WQ facilities, utilities, paving, landscaping and illumination, activities in the R/W and any other construction event needing special attention. For work within right-of-way, the plans shall indicate that time limits for such work are applicable.*

### Grading & Erosion Control Plan Requirements

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |  |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Refer to General Plan Requirements.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>50' X 20' X 1' minimum quarry rock entrance. Note that a wash pad may be required.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Cross-sections for fill and grading shall be shown on the plans through all properties and at least 30' beyond the property lines. Enough cross-sections shall be shown to represent the site.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Siltation control measures (i.e., siltation ponds, silt fences, setbacks, hay bales, ditches, etc.) shall be provided as appropriate to protect adjacent properties.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>A phasing schedule for installing and removing TESC measures, including the transition from the temporary storm drainage system to the permanent storm drainage system.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Protection of downstream conveyance facilities.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Limits of clearing.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Approximate fill and/or excavation quantities in cubic yard are indicated.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show existing trees six inches (6") in diameter and larger, and indicate if tree is to either be retained or removed. Note that a land clearing permit may be required.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Provide temporary retention or detention facilities including City of Auburn's Standard Control Structure Detail No. STORM-04. Include water surface (W.S.) elevations, sizes, design storms for the W.S. elevations and release rates.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Provide site stabilization criteria including hydroseeding mixture and application rates.</i>   |

### Grading and Erosion Control Notes

*The following (6) Grading and Erosion Control Notes are required on the grading plans. Other City standard construction requirements are referenced by general note 2. Copies of these notes are available upon request.*

**E**☐**N**☐**C**☐

1. *WITHIN THE CITY OF AUBURN, ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES INDICATED ON THE PLANS MUST BE CONSTRUCTED AND IN OPERATION, PRIOR TO LAND CLEARING AND/OR OTHER CONSTRUCTION ACTIVITIES. THESE FACILITIES SHALL BE MAINTAINED, AND UPGRADED IF NECESSARY, TO INSURE THAT SEDIMENT-LADEN WATER AND STORM DRAINAGE RUNOFF DOES NOT IMPACT THE ADJACENT PROPERTIES, NATURAL DRAINAGE WAYS, OR THE EXISTING CITY STORM DRAINAGE SYSTEM.*

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2. *THE SOURCES FOR ALL MATERIAL IMPORTED TO THE SITE SHALL BE APPROVED BY THE CITY.*

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3. *THE DETENTION (RETENTION IF INFILTRATION SYSTEM IS USED), SEDIMENTATION AND EROSION CONTROL FACILITIES DEPICTED ON THE APPROVED DRAWINGS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL DRAINAGE AND EROSION CONTROL FACILITIES MAY BE REQUIRED AS SITUATIONS WARRANT DURING CONSTRUCTION. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT AND ADDITIONS TO THESE CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.*

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4. *THE TEMPORARY EROSION CONTROL FACILITIES, INCLUDING ALL PERIMETER CONTROLS AND THE DETENTION (RETENTION IF INFILTRATION SYSTEM IS USED) CONTROL PONDS, SHALL REMAIN IN PLACE UNTIL FINAL SITE CONSTRUCTION IS COMPLETED AND APPROVAL FOR THEIR REMOVAL HAS BEEN RECEIVED FROM THE CITY.*

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5. *THE CONTRACTOR WILL BE REQUIRED TO WATER THE SITE, AS NECESSARY, TO REDUCE DUST EMISSIONS AS A RESULT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL ALSO SWEEP ALL AFFECTED PUBLIC ROADS, AS NECESSARY, TO REMOVE MUD DEPOSITED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITY.*

☐☐☐

6. *ALL AREAS OF ACTIVE EARTHWORK WHICH HAVE THE POTENTIAL FOR EROSION AND SEDIMENTATION IMPACTS ON ADJACENT PROPERTIES, NATURAL DRAINAGE WAYS, OR THE EXISTING CITY STORM DRAINAGE SYSTEM MUST BE STABILIZED ACCORDING TO THE FOLLOWING SCHEDULE:*

*FROM APRIL 1 TO SEPTEMBER 30, AREAS AT FINAL GRADE AND THOSE THAT ARE SCHEDULED TO REMAIN UNWORKED FOR MORE THAN THIRTY DAYS SHALL BE STABILIZED WITHIN TEN DAYS.*

*FROM OCTOBER 1 TO MARCH 31, EARTHWORK ACTIVITIES SHALL BE CONDUCTED IN STAGES IN ORDER TO MINIMIZE SOIL EXPOSURE. EXPOSED SOILS WITH AN AREA GREATER THAN 5,000 SQUARE FEET THAT ARE SCHEDULED TO REMAIN UNWORKED FOR MORE THAN 24 HOURS AND EXPOSED AREAS OF LESS THAN 5,000 SQUARE FEET THAT WILL REMAIN UNWORKED FOR MORE THAN SEVEN DAYS SHALL BE STABILIZED IMMEDIATELY.*

## **SITE PLAN**

### **Site Plan Requirements**

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |  |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Site zoning and adjacent zoning.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>At least one sheet showing all boundary survey information (i.e., bearings, distances, lot sizes, etc.) must be provided.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Existing and proposed public rights-of-way with accurate dimensions.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Existing and proposed easements with dimensions including recording number for existing easements.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Existing and finished elevations and contours. Spot elevations required when site is very flat. Provide spot elevations along property line and 30 feet (30') beyond property line, at least every 50 feet (50').</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Existing and proposed improvements including buildings, utilities, landscape, curbs and pavements. Also include gas, underground &amp; overhead power, telephone and cable television lines.</i>                      |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Length, width, grade, location, and type of all existing and proposed streets, driveways, sidewalks and wheelchair ramps.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Building setback from property lines.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Indicate if existing structures, trees, etc., shall be retained, removed or relocated. Indicate new location if relocation is proposed.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Provide finished floor elevations for proposed buildings and existing buildings.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show flow paths with arrows and elevations for existing drainage ways such as swales, ditches and pipes.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show lakes, rivers, streams, 100-year flood plains with elevations, wetlands, sensitive slopes and other sensitive areas. Show buffers and native growth protection easements if required.</i>                        |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Indicate highest seasonal groundwater elevation.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Maintenance access, (all-weather surface) provided for storm, water, and sanitary sewer utilities.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Dimensioning of parking lot layout.</i>   |

<b><i>E</i></b>	<b><i>N</i></b>	<b><i>C</i></b>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Parking spaces, per American Disability Act requirements.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Location and type of all curbs.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Typical parking lot pavement cross-section design for the proposed development. Typical pavement sections for access and frontage roads.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Landscape areas with details to be provided on a separate landscape plan and submitted to the Engineering and Building Divisions.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Pavement saw cut &amp; restoration limits.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Emergency Vehicle Access.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Site access, including adjacent driveways, roadways and intersections.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Street luminaries, conduit for streetlights, traffic signals, and traffic signal loop detectors located within the vicinity of the project.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Building roof and foundation drains connected to site drainage system.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Floor drains and drains from other covered areas potentially subject to pollutants, wash areas within parking lots indicated, and the connection to the sanitary sewer through an approved oil/water separator.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>For single-family home sites indicate means for collection and discharge of water from roof, foundation drains and driveways.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Vertical or horizontal utility conflicts including sanitary sewer, storm, water, gas, power, telephone, and cable television.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Site specific details, except standard City of Auburn details.</i>

**Storm Drainage Requirements**

<b><i>E</i></b>	<b><i>N</i></b>	<b><i>C</i></b>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Indicate length, slope, type and inverts of storm drainage pipes.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Typical ditch section.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Location of manholes and catch basins. Indicate type, stationing, offset, rim and invert elevations, lid type (grate or solid), and number manholes and catch basins consecutively.</i>

<i><b>E</b></i>	<i><b>N</b></i>	<i><b>C</b></i>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Show existing and proposed sewers and water mains as ghost lines. Identify crossings and minimum distance between utilities.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Downspouts or footing drain locations and inverts.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Provide arrows to indicate drainage direction in parking lots, roadway intersections and cul-de-sacs.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Provide details and cross-sections of detention or retention facilities including appurtenances such as the control discharge structure. Indicate water surface elevations, allowable discharge rates and design storms.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Show emergency overflow to the public facility.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Berm dimensions, material, and compaction requirements for ditches and detention ponds where applicable.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Indicate type of material and size of energy dissipaters and riprap.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Provide detail of water quality facility, including stabilization requirements.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Limits of surface water ponding within parking lots.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Trash racks as applicable.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Location and widths of easements.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Location and type of pumps, if applicable.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Details of water quality facility.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Bioswale location, length, width, slopes and cross-section.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Planting and seeding requirements with establishment procedure (construction sequence) for water quantity or quality systems.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Design storm drainage per Chapter 6 of the Design Standards &amp; SEPA requirements.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Downspouts or footing drain locations and inverts. Connect to drywells and/or catch basins as applicable. Roof drains shall be 6 inches (6") minimum with at least one percent (1%) slope.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Match pipe crowns in catch basins and manholes.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>All exposed storm line ends, 15 inches (15") in diameter and larger, shall have trash racks.</i>



- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |  |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Provide detail of water quality facility, including stabilization requirements.</i>                         |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Centerline of pipes 10 feet (10') minimum distance from building structure.</i>                             |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Outside edge of infiltration trench and open ditches 10 feet (10') minimum from building structures.</i>    |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Bioswales to be located a reasonable distance from building structures to allow for proper maintenance.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Check the on-site storage elevations against the hydraulic grade line of the receiving off-site system.</i> |

#### **Storm Drainage Profile Requirements**

*Note: Storm drainage located within the street right-of-way shall be shown on the street profile. Storm drainage located in easements shall have separate profiles.*

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Structures shall be shown, include size, type, station, invert elevation, type of lid or grate, grate and elevation.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Pipe shall be shown include, material, size, slope (% or ft/ft), and lineal footage.</i>                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show all utility crossings and identify type and size of utility.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show ditches where applicable, slope (% or ft/ft), and type.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show existing and finished grade along centerline.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show connections to existing structures.</i>   |

#### **Storm Drainage Report & Calculations**

*The storm Drainage report format shall include a narrative and plan description of the following items:*

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |  |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Title page including project name and address.</i>                    |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>General information, which includes existing drainage conditions.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Off-site drainage considerations.</i>                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Downstream drainage considerations.</i>                               |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>On-site drainage considerations.</i>                                  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Soil log information and existing land characteristics.</i>           |

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Design storm(s) discharge and storage time(s).</i>                                       |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Calculations.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Topographical map showing site, overland flow line (Tc), slope, and drainage basins.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Conclusions and recommendations.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Appendix with Storm Drainage Pollution Prevention Plan.</i>                              |

**Storm Drainage Report Design Criteria:**

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |  |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Total acreage.</i>                              |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Pervious acreage.</i>                           |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Impervious acreage.</i>                         |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Soil type(s).</i>                               |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Curve Numbers CN.</i>                           |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Precipitation for: 64% of the 2-year/24 Hr.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>2-year/24 Hr.</i>                               |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>10-year/24 Hr.</i>                              |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>25-year/24 Hr.</i>                              |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>100-year/24 Hr.</i>                             |

**Drainage Basin Report Summary**

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |  |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Pre and post developed basins.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Time of concentration calculations.</i>                                     |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Time of concentration topographical map (can be included in Appendix).</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Summary of pre-developed conditions with post development requirements.</i> |

### Hydrologic Analysis

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Retention or detention facilities designed using hydrographic analysis.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Basin summary.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Hydrograph summary.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Stage storage tables for custom storage.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Stage discharge tables for combination discharge.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Stage discharge tables for multiple orifice.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Level pool summary.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Apply the appropriate factor of safety.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Route the 24-hour, 100-year post-development storm event through the retention/detention facility to verify the performance standards.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Conveyance system designed using pipe network analysis.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Biofiltration system designed.</i>   |

### **STREET PLAN**

#### Street Plan Requirements

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |  |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Refer to General Plan Requirements.</i>   |
|                          |                          |                          | <b><i>Vertical</i></b>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Existing and proposed centerline road grade.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Finish grade elevations every 50 feet (50') and every 25 feet (25') for vertical curves along design centerlines.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Vertical curve information in profile section.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Address vertical utility conflicts in profile.</i>  |
|                          |                          |                          | <b><i>Horizontal</i></b>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Existing and proposed rights-of-way.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Existing and proposed contours and elevations.</i>  |

<b><i>E</i></b>	<b><i>N</i></b>	<b><i>C</i></b>	<b><i>Horizontal</i></b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Existing and proposed street names.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Existing and proposed centerline bearings.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Horizontal Stationing.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Location of curbs, sidewalks, wheelchair ramps, and driveways (by station).</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Locations of monuments at all centerline intersections, cul-de-sacs, PCs and PTs by station.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Mailbox types and locations. Submit to postmaster for approval.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Address any horizontal utility conflicts in plan.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Street landscaping, if required.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Show construction limits.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Slope excavation, embankment limits.</i>
			<b><i>Intersection</i></b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Intersection plans shall be 20 scale drawings in conformance with Standard Detail TRAFFIC-13.</i>
			<b><i>Detail Sheets</i></b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Non-Standard details required. Not to scale.</i>
			<b><i>Typical Roadway Sections</i></b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Typical roadway sections showing pavement depths, widths and materials, cross slopes of pavement (%), centerline, dimensioned right-of way lines, curb and gutter, ditches, embankment and excavation slopes, rockeries, walls, etc. Typical sections will be per station ranges and so labeled.</i>
			<b><i>Striping and Signing</i></b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Provide 40 scale plans per these standards and MUTCD including lane markers, pavement markings and signing.</i>
			<b><i>Signalization</i></b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Provide 20 scale separate detailed signalization plan per City of Auburn and WSDOT Standards, including poles, bases, conduits and traffic loops.</i>
			<b><i>Illumination</i></b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Provide 40 scale street lighting plans per DS 10.10, including information on luminaires, service cabinets, junction boxes, power source, conduits and wire.</i>

**E      N      C      Landscape Plan (Applies to Site & R/W Landscaping)**

☐      ☐      ☐      Landscaping strip requirements.

☐      ☐      ☐      The location and size of landscape areas.

☐      ☐      ☐      The location, species, and size of planting materials.

**UTILITY PLAN**

*Note: Sanitary Manholes shall be labeled with Auburn standard numbers on the plans submitted for 2<sup>nd</sup> review.*

**Sanitary Sewer Requirements**

**E      N      C**  
☐      ☐      ☐      Refer to general plan comments.

☐      ☐      ☐      Sanitary sewer pipe size, locations & stationing.

☐      ☐      ☐      Sanitary sewer pipe to be generally between 8 feet (8') and 15 feet (15') deep unless otherwise approved by the City.

☐      ☐      ☐      Sanitary sewer pipe is extended full width of property to serve adjacent upstream property.

☐      ☐      ☐      Sanitary sewer pipe is located properly in the roadway or easement and located 10 feet (10') minimum from watermains or storm lines.

☐      ☐      ☐      Location of manholes. Indicate type, stationing, offset, rim and invert elevation, and number manholes. (Use City MH numbers. Provided by the Auburn Sewer Utility after 1<sup>st</sup> review).

☐      ☐      ☐      Pipe invert elevations drop 0.1 foot through manholes.

☐      ☐      ☐      Manholes are spaced every 400 feet (400') unless shorter distances required.

☐      ☐      ☐      Provide knockouts in manholes for future connections. Pipe stubs are not generally required.

☐      ☐      ☐      Drop manholes, if approved, are to be detailed on the plans.

☐      ☐      ☐      Manholes are not to be located within limits of parking lot ponding or in wheel paths in streets.

☐      ☐      ☐      Provide Length, slope (2% minimum preferred), type of material, and inverts for side sewers.

☐      ☐      ☐      Stationing for side sewers from downstream manholes.

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Connection of side sewer to the City's sanitary sewer pipe shall be indicated with a tee.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Separate side sewer is provided for each building.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Sewer cleanouts shown near the inside or outside of the building and every 100 feet (100') or total changes of 90° of grade or alignment.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Easement width is a minimum of 20 feet (20') when sanitary sewer pipe depth is over 10 feet (10') or in unstable soil conditions, and 15 feet (15') wide when depth is less than 10 feet (10'). |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Centerline of pipe at 10 feet (10') minimum from building structure.  |

### Sanitary Sewer Profiles

*Note: Sanitary sewer located within the street right-of-way shall be shown on the street profile. Sanitary sewer located in easement shall have separate profiles.*

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |  |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Structures shall be shown, include size, type, station, invert elevations, type of lid, and elevation. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Pipe shall be shown include, material, size, slope (% or ft/ft), and lineal footage.                   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Show all utility crossings and identify type and size of utility.                                      |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Show existing and finished grade along centerline.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Show connections to existing structures.   |

### Water Plan Requirements

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Minimum System Fire Flow: 1500 gpm residential, 2500 gpm multi-family & other land uses.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | If building fire flow as designated by the Fire Marshal is over 2500 gpm, fire hydrants shall be served by a main that loops around the building or complex of buildings and reconnects back to a distribution supply main. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Refer to General Plan Requirements.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Indicate minimum 42 inches (42") of cover over waterlines.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Waterline extended full width of property.  |

***E***      ***N***      ***C***

- |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Connection details to existing water mains.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Valve locations spaced approximately 400 feet (400') apart unless shorter distances are required or at tees.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Valves located in pavement and clustered properly.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Butterfly valves (12" line and above) indicated where used in the system.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Fire hydrants are installed in correct relationship to curb.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Hydrants are a minimum of 50 feet (50') and a maximum of 150 feet (150') from the building.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Blowoffs (2-inch minimum size) are located at low points or on dead-end lines as required.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Air vacs are located at high points.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Pressure reducing valve and vaults as required.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Concrete blocking, mechanical or restrained joints.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Easement width is a minimum 15 feet (15').</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Minimum distance between sewer and waterline is 10 feet (10') horizontally and 1 foot (1') vertically. If less than minimum, special pipe or concrete encasement may be required.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Centerline of pipe is 10 feet (10') from building structure.</i>   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Meter and service size including location. Note minimum of one (1) meter per lot.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Water service is not connected directly to fire sprinkler line.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Gate valve separates sprinkler (Fire &amp; landscaping) system from main line. Indicate proposed sprinkler line location, including backflow prevention and flow detection device.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Fire Sprinkler Note shown on plan: "A fire sprinkler line requires a separate detailed plan and approval by the Fire Marshal. Contact Fire Department for requirements."</i>           |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Indicate length and material of water main.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Provide profile showing cover, appurtenances, stationing and all crossings.</i>  |

### Water Line Profile

*Note: Water lines located within the street right-of-way shall be shown on the street profile. Water line profiles are not generally required for lines located in easements unless there are utility conflicts.*

- | <b><i>E</i></b>          | <b><i>N</i></b>          | <b><i>C</i></b>          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Pipe shall be shown and include, material, size, and lineal footage.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Water line profile shall include pipe cover, and stationing.</i>         |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show all utility crossings and identify type and size of utility.</i>    |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show existing and finished grade along centerline.</i>                   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show connections to existing structures.</i>                             |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show bends and label.</i>  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Show all valves.</i>   |



[illegible]